Wednesday, 1/30/2008 7:56:42 AM User: **Process Sheet** : BRACKET ASSEMBLY **Drawing Name** : CU-DAR001 Dart Helicopters Services Customer Job Number : 37072 : 10281 **Estimate Number** : D3183043 Part Number P.O. Number . D3183 REV C1 **Drawing Number** : 1/30/2008 S.O. No. : This Issue Project Number : N/A : NC , Prsht Rev. : C1 : // Type : MACHINED PARTS **Drawing Revision** First Issue : 36666 Material Previous Run Each **Due Date** : 2/20/2008 4 Um: Written By Checked & Approved By : Est Rev. Pick: A 04.02.18 New issue KJ/DS Comment **Additional Product** Job Number: Description: Machine Or Operation: Seq. #: 17-4 SS Bar 1.0 Comment: Qty.: 0.4812 f(s)/Unit Total: 1.9249 f(s) Material: 17-4 SS Bar per AMS 5604/5643 (M17-4-B1.500x02.000) Identify for D3183-043 BAND SAW 2.0 Comment: BAND SAW Cut blanks: (1.500" x 2.000") 5.500" long 3.0 HAAS1 Comment: HAAS CNC VERTICAL MACHINING #1 1-Machine D3183-3 as per Folio FA322 and Dwg D3183 Identify as D3183-3 2-Deburr 3-Scribe batch number INSPECT PARTS AS THEY COME OFF MACHINE 4.0 Comment: INSPECT PARTS AS THEY COME OFF MACHINE

Page 1

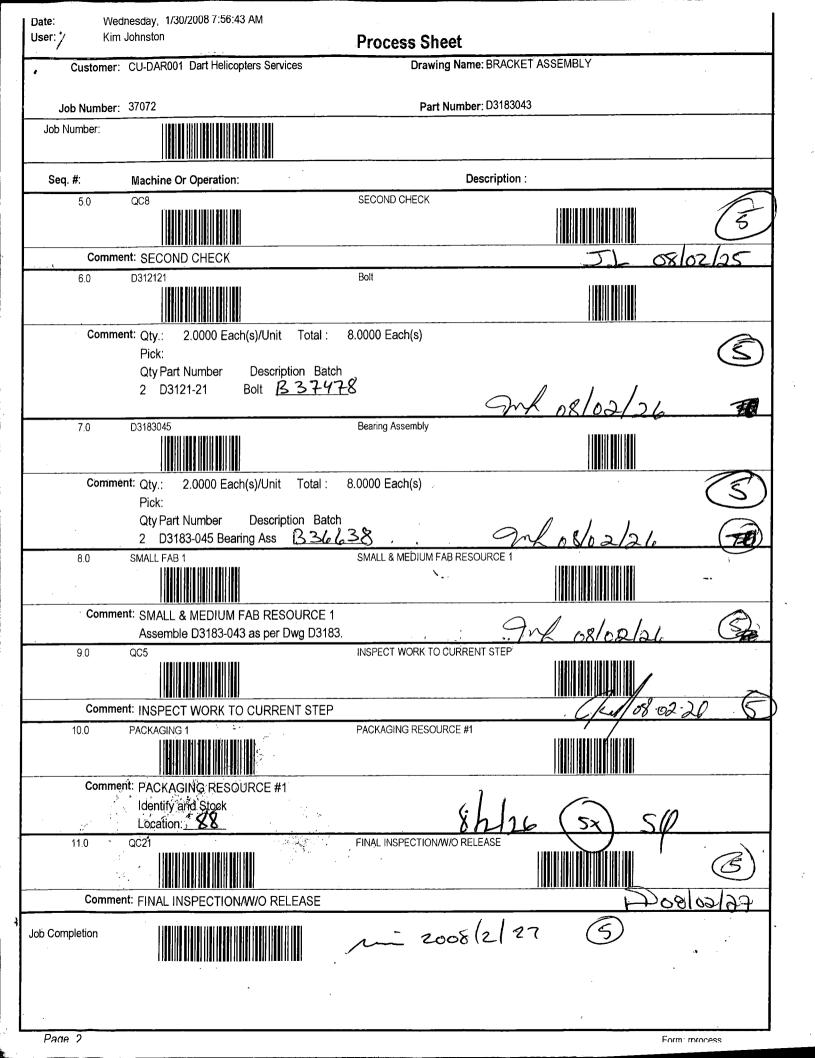
Form: rorocess

Dart Aerospace Ltd

W/O:		WORK ORDER CI	HANGES					
DATE	STEP	PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: 3183-043 PAR #: MA Fault Category: Prod Machined Tonce (Yes No DQA:) Date: 68/02/27 QA: N/C Closed: **WORK ORDER NON-CONFORMANCE (NCR)** NCR:37070 **Corrective Action** Section B **Description of NC** Verification **Approval Approval** STEP DATE Sign & Initial **Action Description** QC Inspector Section A Section C Chief Eng **Date** Chief Enq Chief Eng SCUDY: REPLACEDLY 1 0802-26 Foo put a clamp. resim2

NOTE: Date & initial all entries



Dart Aerospace Ltd

W/O:		WORK ORDER CHAN	NGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
·							
Part No		PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date:	
			QA:	N/C Close	d:	Date: _	
NCD.		WORK ORDER NON-CONFOR	MANCE (NC	R)			

NCR:		, W	ORK ORDI	ER NON-CONFORMAN	CE (NCR)			
		Description of NC	Corrective Action Section B			Verification	A1	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
	·							
						,		
		Sample of the same			'			
								1

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	3/072
Description: Bracket	Part Number:	D3183-3
Inspection Dwg: D3183 Rev: C1		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Duration		Actual	1		NA - 4115	
Drawing	Tolerance		Accept	Reject	Method of Inspection	Comments
Dimension		Dimension	·		inspection	
R0.190	+/-0.030	.190	1			
R0.063	+/-0.010	063	/			
0.182	+/-0.010	179	1			
0.070	+/-0.010	.072	_			
0.100	+/-0.010	.110				
Ø0.201 x 0.100	+/-0.010	.200				
0.182	+/-0.010	.192				
5.32	+/-0.030	5.325				
5.036	+/-0.010	5.038	1			
2.120	+/-0.010	2.130	-			
1.290	+/-0.010	1.291	/			
0.365	+/-0.010	. 366	✓			
0.218	+/-0.010	,212	/			
1.030	+/-0.010	1.030	/			
1.90	+/-0.030	1. 289	/			
1.012	+/-0.010	1.009	/			
Ø0.201 x 0.100	+/-0.010	.201×102				
0.786	+/-0.010	~794	7			
Ø0.392	+0.002/-0.000	.392	/			
R0.19	+/-0.030	190				
3.954	+/-0.010	3,955	/			
0.162	+/-0.010	160				
R0.19	+/-0.030	. 190	~			
R0.25	+/-0.030	,250	~			
4.26	+/-0.030	4.266	/			
2:080	+/-0.030	2.080				
1.155	+/-0.010	1.155	1			
0.162	+/-0.010	161	1			
0.36	+/-0.030	. 360				
0.615	+/-0.010	.605~			3. 3	
0.435	+/-0.010	436				
0.200	+/-0.010	1301				
0.381	+/-0.010	1389				
0.032	+/-0.010	, -3.030				

Measured by:	8.15	Audited by:	Prototype Approval:	N/A
Date:	08/02/24	Date: 04/02/24	Date:	N/A

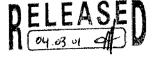
Rev	Date	Change	Revised by	Approved
Α	03.11.12	New Issue P/O D3183-043	KJ/RF	
В	04.03.15	Changes as per revision C	KJ/JLM/RF	
С	06.03.09	Dwg Rev update	KJ/JLM	
D	08.01.28	0.182 dimension removed	KJEC/DD	2



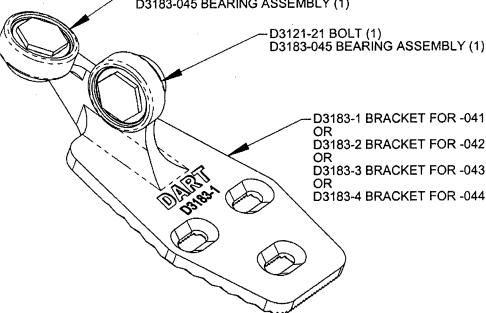


	DESIGN	DESIGN DRAWN BY		DART AEROSPACE HAWKESBURY, ONTARIO, CA			
)	CHECK	THE STATE OF THE S	APPROVED	D3183	REV. C SHEET 1 OF 4		
	DATE	04.0)2.17	BRACKET ASSEMBLY	SCALE 1:1		
	Α.	0:	3.01.24	NEW ISSUE			
	В	0:	3.06.17	REMOVE BEARING; 1.012 WS 0.88	32		
	C ,04.02.17		4.02.17	ADD -045/-9; 0.182 WAS 0.431			
		·					

04.11.09 0.830 WAS 0.850



C1 + → 0 D3121-21 BOLT (1) D3183-045 BEARING ASSEMBLY (1)



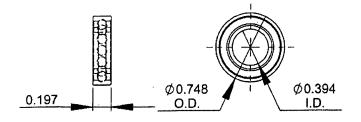
D3183-1 BRACKET FOR -041 (SHOWN)

D3183-2 BRACKET FOR -042 (OPPOSITE)

D3183-3 BRACKET FOR -043 (SIMILAR)

D3183-4 BRACKET FOR -044 (SIMILAR)

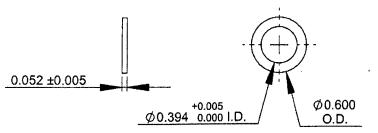
D3183-041 BRACKET ASSEMBLY (SHOWN) D3183-042 BRACKET ASSEMBLY (OPPOSITE) D3183-043 BRACKET ASSEMBLY (SIMILAR) D3183-044 BRACKET ASSEMBLY (SIMILAR)



D3183-5 BEARING: D3183-5 BEARING: SPECIFICATION CONTROL DRAWING

- 1) SINGLE ROW, DEEP GROOVE INTERING CONRAD TYPE, SHIELDED COPY
 2) POSSIBLE SUPPLIER INSKIPING 6800ZZ DATE OF THE SATISTICE
- - WITHOUT NOTICE

NO.___

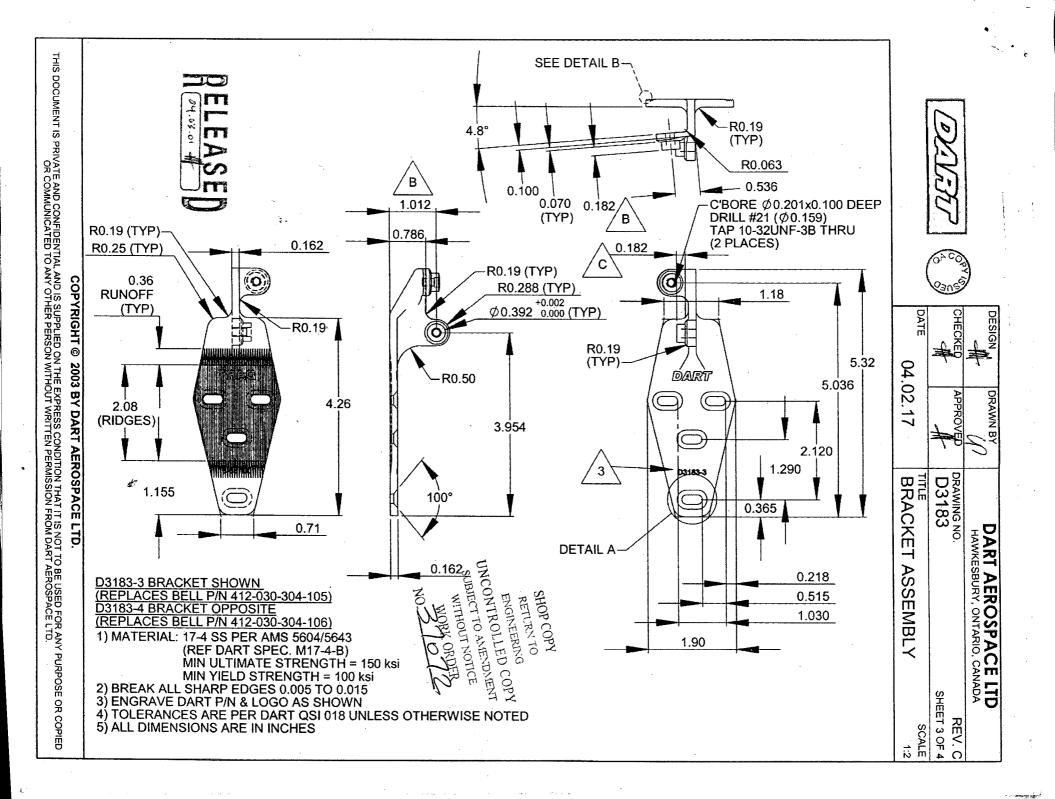


D3183-7 WASHER

- 1) MATERIAL: AISI 303 ROUND BAR (M303R) **ANNEALED**
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 3) TOLERANCES ARE PER DART QSI 018 **UNLESS OTHERWISE NOTED**
- 4) ALL DIMENSIONS ARE IN INCHES

COPYRIGHT © 2003 BY DART AEROSPACE LTD.

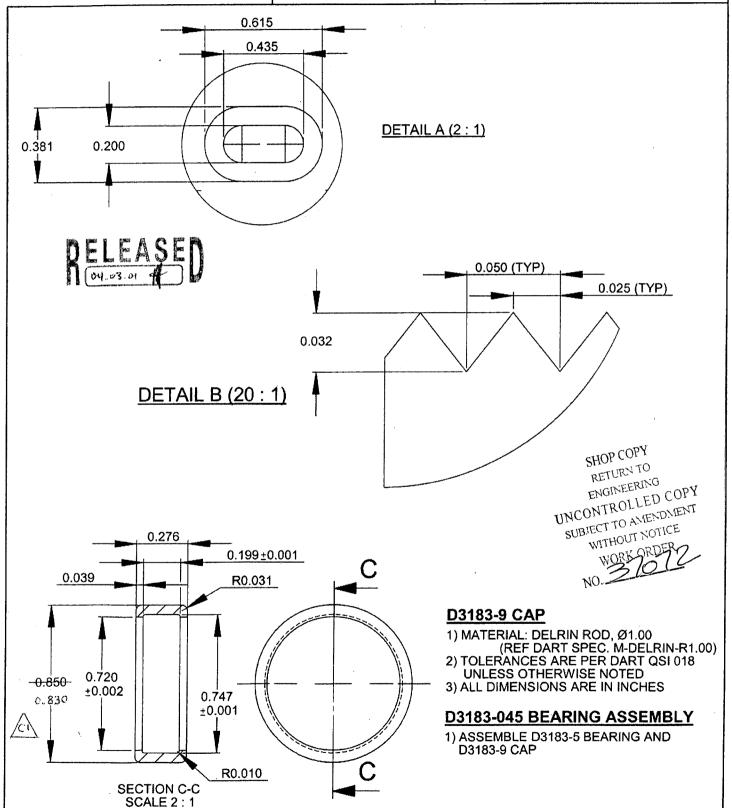
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.







	DESIGN	DRAWN BY	DART AEROSPACE HAWKESBURY, ONTARIO, C.	
	CHECKED	APPROVED	DRAWING NO. D3183	REV. C SHEET 4 OF 4
,	DATE		TITLE	SCALE
	04.0	02.17	BRACKET ASSEMBLY	1:1



COPYRIGHT © 2003 BY DART AEROSPACE LTD.

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.